

In the claims:

- 1-17. (Cancelled)
18. (New) A process for generating a flight plan, comprising:
 - accessing over a computer network from a client computer a selected composite flight navigation chart from among plural selected composite flight navigation charts stored at a server computer, each selected composite flight navigation chart including a flight chart merged with flight navigation waypoints;
 - downloading the selected composite flight navigation chart from the server computer to the client computer;
 - indicating a flight route on the selected composite flight navigation chart at the client computer and transmitting the flight route to the server computer; and
 - incorporating the flight route into the selected composite flight navigation chart.
19. The process of claim 18 further comprising associating the flight route with navigation waypoints in the selected composite flight navigation chart at the server computer.
20. (New) The process of claim 18 in which the flight navigation waypoints form a frame that overlays the selected flight chart.
21. (New) The process of claim 18 in which the flight route includes route lines and in which incorporating the route lines into the selected composite flight navigation chart includes incorporating the route lines into a frame that overlays the selected flight chart.
22. (New) The process of claim 18 further comprising displaying on the client computer less than all of the selected composite flight navigation chart that is downloaded from the server computer.
23. (New) The process of claim 22 further comprising scrolling across the selected composite flight navigation chart at the client computer to display a

portion of the selected composite flight navigation chart that was not previously displayed, without downloading from the server computer as part of the scrolling the portion of the selected composite flight navigation chart that was not previously displayed

24. (New) The process of claim 18 further comprising displaying the selected composite flight navigation chart that is downloaded from the server computer within a browser running on the client computer.

25. (New) The process of claim 24 in which the flight route includes route lines that overlay the selected flight chart, the route lines being formed as vector lines within the browser running on the client computer.

26. (New) The process of claim 18 in which downloading the selected composite flight navigation chart from the server computer to the client computer includes downloading a two-dimensional array of map tiles that together form the composite flight navigation chart.

27. (New) The process of claim 18 further comprising overlaying plural text labels on the selected composite flight navigation chart and preventing any of the text labels from overlaying another.

28. (New) A computer readable medium with flight plan generating software, comprising:

software for merging flight navigation waypoints with a selected flight chart from among plural flight charts stored at a server computer to form a selected composite flight navigation chart;

software for providing the selected composite flight navigation chart over a computer network to a browser on a client computer, and also providing a vector drawing extension for the browser, the vector drawing extension functioning to incorporate flight plan routing into the selected composite flight navigation chart to form a flight plan.

29. (New) The computer readable medium of claim 28 in which the vector drawing extension further associates the flight plan routing with the navigation waypoints in the selected composite flight navigation chart.

30. (New) The computer readable medium of claim 28 in which the flight navigation waypoints form a frame that overlays the selected flight chart in the selected composite flight navigation chart.

31. (New) The computer readable medium of claim 28 further comprising software for displaying on the client computer less than all of the selected composite flight navigation chart that is downloaded from the server computer.

32. (New) The computer readable medium of claim 31 further comprising software for scrolling across the selected composite flight navigation chart at the client computer to display a portion of the selected composite flight navigation chart that was not previously displayed, without downloading from the server computer as part of the scrolling the portion of the selected composite flight navigation chart that was not previously displayed.

33. (New) The computer readable medium of claim 28 in which each flight chart includes topographical information, the medium further including software for generating relief shading for each flight chart according to the topographical information and a selected illumination angle.

34. (New) The computer readable medium of claim 28 further comprising software for computing as a profile a cross sectional view of topographical information along the flight plan and providing the profile over the computer network to the browser on the client computer for display.

35. (New) The computer readable medium of claim 28 further comprising software for overlaying plural text labels on the selected composite flight navigation chart and preventing any of the text labels from overlaying another.

36. (New) A flight plan generating method, comprising:

providing a selected composite flight navigation chart over a computer network to a browser on client computer, the selected composite flight navigation chart including a selected flight chart merged with flight navigation waypoints;

displaying at least a portion of selected composite flight navigation chart in the browser on the client computer; and

rendering flight plan routing on the selected composite flight navigation chart displayed in the browser on the client computer.

37. (New) The method of claim 36 further comprising associating the flight plan routing with flight navigation waypoints on the selected composite flight navigation chart displayed in the browser on the client computer.

38. (New) The method of claim 36 further comprising further comprising delivering the flight plan routing to the server computer and computing the flight plan at the server computer. .

39. (New) The method of claim 38 further comprising filing the flight plan computed at the server computer with an entity that receives filed flight plans.

40. (New) The process of claim 18 further comprising displaying on the client computer a cross section of the flight route in a profile window, the cross section of the flight route including the flight altitude route relative to terrain elevation and obstruction elevation.

41. (New) The process of claim 18 further comprising displaying on the client computer a cross section of the flight route in a profile window, the cross section of the flight route including the flight altitude route relative to terrain elevation and obstruction elevation.